ExCam® IPP3827

IECEx | INMETRO | EAC Ex | ❄ -50°C | ☀ +60°C | IP68 | 7MP | Onvif

Datasheet.

Features.

✓ Certification for Hazardous Areas
  (ATEX, IECEx, EAC-Ex, INMETRO, …)
✓ 180° Panoramic View , 90° Vertical Coverage
✓ Seamlessly Stitched Images of 4x 1/2.8" Sensors
✓ High Resolution: 3712x1856 (7 MP@30fps)
✓ Dome with Optimized UV and Scratch Resistance
✓ Equipped with Lightfinder and Forensic WDR
✓ Advanced Analytics thanks to DLPU
✓ Easy Plug & Play Cable Connection via flipConnect

*

Zones.

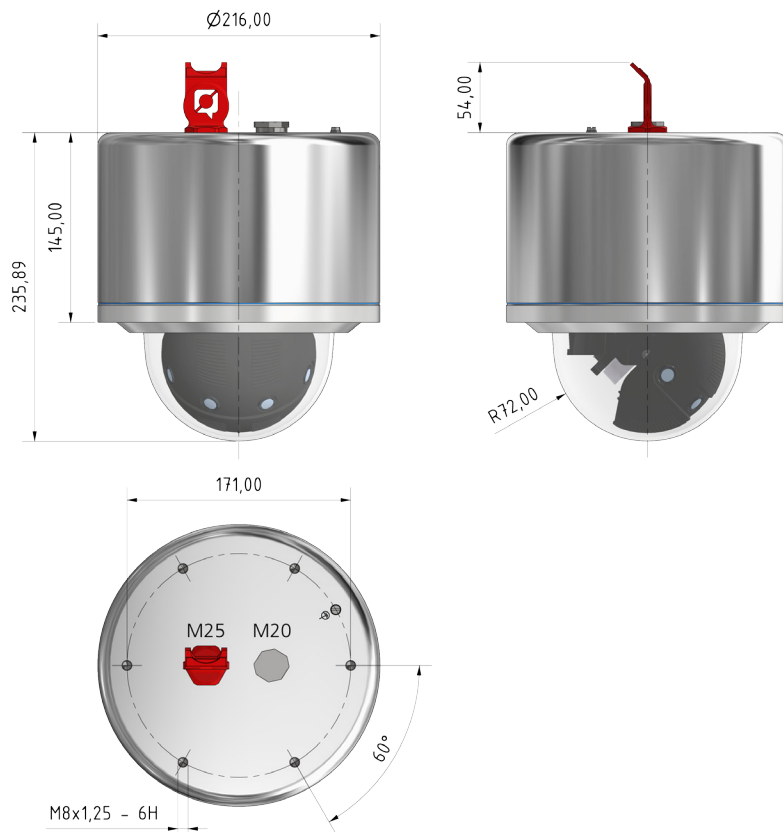| Group II (Gas & Dust)	ATEX / IECEx / …				
Zone	0	1	2	21	22
For use in	✗	✓	✓	✓	✓

Further certifications upon request.

Dimensions [mm].

T08 - VA4.1K.PS1 - LL.H - 000.X - X
Electrical connection via flipConnect

Ø216,00
235,89
145,00

54,00
R72,00

171,00
M25 M20
M8x1,25 – 6H
60°

Models.

T08- VA4.1K.PS1- LL.H- XXX.X- X

P = Plug RJ45 termination
T = Terminal box (Ex-e)
     termination
X = flipConnect

N = Non armoured cable
A = Armoured cable
X = flipConnect

__ = Cable length in m

H = High temperature ($T_{amb} < +60°C$)

LL = Low Low temp. ($T_{amb} \geq -50°C$)

VA4.1K.PS1 = Stainless steel short dome-camera housing

T08 = ATEX & IECEx camera type No. 08

Data.

ExCam® IPP3827

Explosion protection

Declaration of conformity:	DIN EN/IEC/GOST ... 60079-0, DIN EN/IEC/GOST ... 60079-1, DIN EN/IEC/GOST ... 60079-7, DIN EN/IEC/GOST ... 60079-31
Ex- Certificates:	TUEV-18-ATEX-8218X, IECEx-TUR-18.0023X, INMETRO TUEV 23.0363X, No. TC RU C-DE.HA65.B.01652/22, TUEV-22-UKEX-7137X, PESO: A/P/HQ/KA/104/5735, IA No.: MASC MS/18-3256X

Ex- Marking of the camera:
Explosion protection (gas):   Ⓔ II 2G Ex db IIC T6 Gb
Explosion protection (dust):   Ⓔ II 2D Ex tb IIIC T80°C Db
Ex- Marking of the terminal box:
Explosion protection (gas):   Ⓔ II 2G Ex eb IIC T5 Gb
Explosion protection (dust):   Ⓔ II 2D Ex tb IIIC T95°C Db IP66

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Mechanical characteristics:

Housing material:	Camera: Stainless Steel (AISI 316L/1.4404), terminal box: polyester resin
Protection level (camera/terminal box):	IP68 / IP66 (IEC/EN 60529) / IP66
Weight:	Approx. 15 kg

Range of temperature:	-50°C bis +60°C
Storage temperature:	-40°C bis +65°C

Camera power supply:	IEEE 802.3at Type 2 Class 4 , typical:12W, max. 18W

Electrical connection:	RJ45 socket via flipConnect or cable with plug or terminal box termination

Cable type:	WWW.SAMCON.EU ... / Cat6 / 4x2xAWG23
Outer diameter:	8.9 mm to 12.4 mm

Lens

Type:	Fixed f= 3.3 mm, F2.0, automatically infrared-cut filter, hybrid IR-filter
Angle of view:	Horizontal field of view: 180°, vertical field of view: 90°
Minimum illumination:	Color: 0.15 lux, F2.0, B/W: 0.05 lux, F2.0
Minimum focus distance:	1 m

Camera

Image sensor:	4x 1/2,8" progressive scan RGB CMOS
Shutter time:	1/33500 s to 1/10 s
Camera angle adjustment:	Pan: ±180°, Tilt: 0° to 50°, Roll:±5°
Video compression:	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles, H.265 Main Profile (MPEG-H Part 2/HEVC), Motion JPEG
Resolutions:	3712x1856 to 640x320
Frame rate:	Up to 25/30 fps. (50/60 Hz) in all resolutions
Video streaming:	Up to 20 unique and configurable video streams, Axis Zipstream technology in H.264 and H.265; controllable frame rate and bandwidth; VBR/ABR/MBR H.264/H.265; low latency mode; video streaming indicator
Image settings:	Horizon straightening, saturation, contrast, brightness, sharpnes, Forensic WDR: up to 120dB depending on scene, white balance, day/night threshold, exposure mode, compression, dynamic text and image overlay, exposure control, noise reduction, fine tuning of behavior at low light, polygon privacy masks
Edge storage:	microSD/SDHC/SDXC slot supporting memory card (card not included); Support for recording to dedicated network-attached storage (NAS)

Network

Security:	Password protection, IP address filtering, HTTPS* encryption, digest authentication, user access log, ... Hardware: Secure boot, Axis Edge Vault (see axis.com/solutions/edge-vault)
Supported protocols:	IPv4/v6, USGv6, ICMPv4/v6, HTTP, HTTPSª, HTTP/2, TLSª, QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, mDNS (Bonjour), UPnP, SNMPv1/v2c/, v3(MIB-II), DNS/DNSv6, DDNS, NTP, NTS, RTSP, RTP, SRTP/RTSPS, TCP, UDP, IGMPv1/v2/v3, RTCP, ICMP, DHCPv4/v6, etc...
Application Programming Interface:	Open API for software integration, including supporting the ONVIF G/M/S/T specification available at http://onvif.org, as well as VAPIX® from Axis Communications, axis.com
Intelligent video:	Deep learning Processing Unit (DLPU), Axis Object Analytics, Video Motion Detection, active tampering alarm, audio detection, Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Alarm events:	File upload via FTP, HTTP and email, notification via email, HTTP and TCP, Video recording to edge storage. 4 configurable alarm inputs and outputs

Optional accessories:	Wall mount bracket (WMB, for hanging mounting), Pole mount bracket (PMB), Ceiling mount bracket (CMB), Mounting adapter for rear mounting, ExConnection Rails, Cables and Glands...

*   = illustrations show models with accessories that are subjected to an extra charge